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SEVENTEENTH EDITION

DIAGNOSIS AND THERAPY

MARK H. BEERS, M.D., and ROBERT BERKOW, M.D.

Senior Assistant Editors
ROBERT M. BOGIN, M.D., and
ANDREW J. FLETCHER, M.B., B.Chir.

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Robert A. Hoeckelman, M.D.

Gerald L. Mandell, M.D.

Fred Plum, M.D.

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memories with positive ones. about self that are associated with these memories and to replace negative thoughts ful adjunct. EMDR tries to process traumatic cessing (EMDR), applied cautiously, is a use-Eye movement desensitization and repromatic memories and diffuse their impact them. Hypnosis is also used to discuss traubetween them, and stabilize and interpret ories. Hypnosis is often used to help access the processing of particularly painful mempatients through difficult times and during pitalization may be necessary to help some ries. One or more periods of psychiatric hosspair when dealing with traumatic memopersonalities' actions and the patient's demany crises tend to arise as a result of the personalities and to reduce symptoms. This cooperation and collaboration among the the personalities, facilitate communication treatment is often arduous and painful, and

sessions per week for 3 to \geq 6 years are the most desirable outcome. symptoms. Integration of the personalities is that allows normal functioning without achieve harmonious interaction among them necessary to integrate the personalities or to Generally, two or more psychotherapy

not been resolved. After postintegration treatment to deal with some issues that have gestion. After integration, patients continue aged by conversing with and arranging the spontaneously, but much must be encourand rehabilitated. Some integration occurs patient's selves and relationships and socia apy can move to the final phase, in which the remaining dissociations are addressed, therthe trauma. As the reasons for the patient's phase, the patient is helped to process the remainder of the treatment. In the second tem is explored and mapped to plan the lematic personalities. The personality sysing traumatic material and dealing with probanticipation of the difficult work of processzation, and strengthening of the patient in the first phase, the priority is safety, stabilithe psychiatrist as someone who can help pletely terminated. Patients come to think of therapist are tapered but are rarely comtreatment appears complete, visits to the losses and other negative consequences of painful episodes of his past and to mourn the facilitated with imagery and hypnotic sug unification of the personalities or must be functioning can be reconnected, integrated Psychotherapy has three main phases. In

> mary care physician. they periodically need assistance from a prithem deal with psychologic issues, just as

DEPERSONALIZATION DISORDER

Persistent or recurrent feelings of being deoutside observer of one's life. cesses and usually a feeling of being an tached from one's body or mental pro-

curs in life-threatening danger, such as acalization has not been studied widely, and its cidents, assaults, and serious illnesses and mon psychiatric symptom and frequently oc disorders. As a separate disorder, depersonother psychiatric disorders and in seizure injuries; it can occur as a symptom in many ncidence and cause are unknown. Depersonalization is the third most com-

Symptoms and Diagnosis

and persist or recur for many years. Patients often have great difficulty describing their often feels unreal and may experience the symptoms and may fear or believe the symptoms. However, symptoms can be chronic occur with anxiety, panic, or phobic symp dream. Often the symptoms are transient and may feel as if he is an automaton or is in a which makes them uncomfortable. A person themselves, their bodies, and their lives world as unreal and dreamlike. oms mean they are going crazy. The patient Patients have a distorted perception of

even disabled. Although some can adjust to ("blues") may occur as a reaction to certain depersonalization disorder or even block its holidays or significant anniversaries, during going crazy, or ruminate on the implications is an early our persons preusposed to depth of their distorted perceptions of their bodies sion may break down during such times. their state of mind, worry whether they are 2 wk postpartum. Such reactions are not ab effect, others have chronic anxiety about others become severely compromised or Some patients are minimally impaired;

interviews are helpful. The physician must rule out physical disor-

Prognosis and Treatment

can be dealt with in treatment. Other patients mood disorder. occurred in connection with stresses that pression, except in persons predisposed to a patients, especially those whose symptoms

gradually improve on their own do not respond well to treatment but may

sistent, recurrent, or distressing. Various chotherapy, cognitive behavior therapy, hyppsychotherapies (eg. psychodynamic psyment is warranted only if the disorder is pertransient and resolves spontaneously. Treat-The feeling of depersonalization is often

associated with the onset of the disorder. nosis) are successful for some patients, but treated. Treatment must address all stresses orders, which are often associated with or helped some patients. Other psychiatric dis-Tranquilizers and antidepressants have precipitated by depersonalization, must be no one treatment has proved effective for all

189 / MOOD DISORDERS

Affective Disorders)

A group of heterogeneous, typically recurrent illnesses includ psychomotor dysfunction, and vegetative symptoms. orders that are characterized by pervasive mood disturbances. ing unipolar (depressive) and bipolar (manic-depressive) dis-

(For mood disorders in children, see Ch. 274.)

vious official designation anxiety and irritability are equally common, components of mood disorders. However, depression and elation as the core affective broader rubric "affective disorder," the preexplaining the continued popularity of the Current diagnostic practice emphasizes

normal, but persons predisposed to depresthe premenstrual phase, and during the first adaptive by permitting withdrawal to conserve inner resources. Transient depression adverse situations; the response may be and should be differentiated from clinical desponse to defeat, disappointment, and other normal depression, is a universal human repression and morbid elation. Sadness, or Sadness and joy are part of everyday life

tive disorders. Psychologic tests and special ment, forced emigration, or civilian catastroand their sense of estrangement from them: Type of reactive depression, occurs in reders, substance abuse, and other dissocia appointment, leaving a familiar environ Complete recovery is possible for manyliv. Like other adversities, separations and Diagnosis is made based on the symptoms sponse to significant separations and losses he physician must rule out physical disor (eg. death, marital separation, romantic disphes). Grief may be manifested by anxiety and autonomic nervous system hyperactive symptoms, such as insomnia, restlessness, losses generally do not cause clinical de-

> may follow positive events, possibly because ten have to be faced alone. the associated increased responsibilities of completely replace the expected grief). reaction in which elated hyperactivity may pain of loss (eg, a rare form of bereavement lead to mania Paradoxical depression predisposed persons, such reactions may fense against depression or a denial of the achievement, is sometimes considered a de-Elation, usually linked to success and

ment in physical function, social function, cal depression and mania, unlike normal commonly, persist without remission. Clinicrete syndromes that typically recur or, less and work capacity. emotional reactions, cause marked impair-Symptoms and signs often cluster into distinues beyond the expected impact of a life sadness or elation is overly intense and constressor or arises in the absence of a stressor. Depression or mania is diagnosed when

Epidemiology

men; bipolar disorder affects the sexes Depression affects twice as many women as the general population was estimated at < 2%, new estimates are closer to 4 to 5%. jor depressive disorder and its variants. Alwomen and 12% of men during their lifetime. may require clinical attention, affects 20% of though the incidence of bipolar disorder in These figures largely represent unipolar ma-Some type of mood disturbance, which

employment and sudden financial reversals, Americans. Economic factors, such as unand African countries and among black Saxon cultures; and mania tends to manifest sion, and irritability are more common manexample, physical complaints, worry, tenses. Cultural factors seem to modify the clinın men. guilty ruminations and self-reproach are ifestations in lower socioeconomic classes; more common in upper socioeconomic clasconsistently associated with depression. cial class, culture, and race have not been demographic risk factor for depression; sothose born earlier. Female sex is the major of depression and suicide, often associated have been linked to increased suicide rates itself more floridly in some Mediterranean more characteristic of depression in Angloical manifestations of mood disorders. For However, bipolar disorder is somewhat with higher rates of substance abuse, than the 20s, 30s, or 40s. Persons born in the 2 decades after World War II have higher rates 30s; unipolar disorders begin, on average, in disorder usually begins in the teens, 20s, or in women and manic forms in men. Bipolar equally, but depressive forms predominate

Mood disorders are the most prevalent psychiatric disorders, accounting for 25% of patients in public mental institutions, 65% of psychiatric outpatients, and as many as 10% of all patients seen in nonpsychiatric medical settings.

Etiology

catecholaminergic (noradrenergic or dopatheir prefrontal connections. Cholinergic, subcortical extrapyramidal structures and cent brain imaging studies further implicate pathway of mood disorders is believed to be is a more popular hypothesis. What is inpredisposing factor. The precise mode of inredity may also increase the likelihood of transmission appears to be dysregulated. Hemmergic), and serotonergic (5-HT) neuroimpaired limbic-diencephalic function; reherited is unknown. But the final common for bipolar and recurrent unipolar disorders inheritance as a common genetic substrate some forms of bipolar disorder. Polygenic (X-linked or autosomal) may be involved in disorders. Heredity is the most important tion of several factors contributes to these heritance is uncertain, but dominant genes Primary mood disorders: The interac-

depression by exposing children to the negative effects of their parent's mood disorders (eg. disruption of affective bonds).

Childhood loss of a parent does not in-

crease a person's risk of developing a mood disorder. However, if such a person'd evelops a mood disorder, depression tends to develop at a younger age and follow a chronically intermittent course, leading to marked personality disturbance and suicide attempts.

in light may also induce maria. transmeridian travel, and seasonal changes can be experimentally induced by sleep depswitch from depression to mania is often herorder rather than its cause (eg, affectively ill ant use, sedative hypnotic withdrawal lows therapy with antidepressants. Stimu-(REM) sleep. Such a switch commonly folrivation, particularly of rapid eye movement alded by reduced sleep for 1 to 3 days and persons often alienate their loved ones). The the prodromal manifestations of a mood dissodes; however, such events may represent monly precede depressive and manic epican be psychologic or biologic. Traumatic life events, especially separations, com-Stressors that provoke affective episodes

Although persons with any personality type can develop clinical depression, it is more common in persons with temperaments inclined to dysthymia and cyclothymia. Unipolar depression is more likely to develop in persons who are introverted and have anxious tendencies. Such persons often lack the requisite social skills to adjust to significant life pressures and have difficulty recovering from a depressive episode. Persons with bipolar disorders tend to be extroverted and achievement-oriented; they often use activity to combat depression.

Female sex as a risk factor for depression is customarily explained by women's presumed more affiliative nature, dependency traits, and helplessness in controlling their destiny in male-oriented societies. However, biologic vulnerabilities are also relevant Having two X chromosomes is important in bipolar disorders if dominant X-linkage is involved. Compared with men, women have higher levels of monoamine oxidase (the enzyme that degrades neurotransmitters considered important for mood). Thyroid function is more commonly dysregulated in women. Women may use oral contraceptives containing progesterone, believed to be a decontraceptives.

TABLE 189-1. SOME CAUSES OF SYMPTOMATIC DEPRESSION AND MANIA

Collagen-vascular Endocrinologic		CIT
Endocrinologic	SLE	Rheumatic chorea
	Hyperthyroidism and hypothyroidism Addison's disease	Hyperthyroidism
	Cushing's disease Diabetes mellitus Hyperparathyroidism Hypopituitarism	
General medical	Coronary artery disease Fibromyalgia Renal or hepatic failure	
Infectious	AIDS General paresis (tertiary syphilis) Influenza Infectious mononucleosis Tuberculosis Viral hepatitis Viral pneumonia	AIDS General paresis (tertiary syphilis Influenza St. Louis encephalitis
Neoplastic	Cancer of the head of the pancreas Disseminated carcinomatosis	
Neurologic	Complex partial seizures (temporal lobe) Head trauma Multiple sclerosis Stroke (left frontal) Cerebral tumors Parkinson's disease Sleep apnea	Complex partial seizures (temporal lobe) Head trauma Multiple sclerosis Stroke Diencephalic tumors Huntington's chorea
Nutritional	Pellagra Pernicious anemia	
Pharmacologic	Amphetamine withdrawal Steroids Anticholinesterase insecticides Barbiturates Cycloserine, amphotericin B	Amphetamines, methylphenidate Steroids ** Antidepressants (most) Cocaine ** Levodopa, bromocriptine
	Metoclopramide Phenothiazines Reserpine Thallium, mercury Vincristine, vinblastine	sympanorumenc drugs
Psychiatric	Alcoholism and other substance use disorders Antisocial personality Dementing disorders in the early phase	

sonality style typical of bipolar disorders. exhibit the extroverted, action-oriented perpressed men are significantly more likely to typical of unipolar disorders, whereas deverted, brooding/inhibited personality style women are more likely to exhibit the intropostpartum endocrine changes. Depressed pressant, and undergo premenstrual and

an attempt to self-treat the prodromal manprecedes a bipolar disorder, it is most likely atric disorder, if alcohol or substance use pressive reactions to the underlying disornary disorders, are usually explained as dethat accompanies debilitating cardiopulmopressions. Others, such as the depression tors and are considered symptomatic dedepression, result from physiochemical faca nonaffective disorder via a physiologic or ifestations of the disorder. disorder rarely complicates another psychidysfunction and profound sadness). Bipolar (eg, in patients with AIDS who have cerebral der. Often, both mechanisms are operative psychologic mechanism or both (see TABLE mood disorder develops in association with 189-1). Some disorders, such as myxedema Secondary mood disorders: Often, a

matter how understandable the depression seems in light of the underlying disorder. disorder must be treated regardless whether other disorders are present and no secondary mood disorders is arbitrary. All that the distinction between primary and pression suggest that the pathogenesis for fective disorders and drugs that produce depatients who meet the criteria for a mood all mood disorders forms a continuum and The foregoing findings concerning nonaf-

Risk of Suicide

anniversaries are major risk periods (see tends to occur within 4 to 5 yr of the first which is most common in young and elderly also Ch. 190). Concurrent alcohol and submenstrual state, and personally significant is still dark), mixed bipolar states, the preclinical episode. The immediate recovery men who do not have good social support, to 70% of all completed suicides. Suicide, quately treated depression contributes to 50 mood disorders; unrecognized or inadepatients with mood disorders, is the cause of activity is returning to normal, but the mood phase from depression (when psychomotor death in 15 to 25% of untreated patients with Suicide, the most serious complication in

> prevention. cide. Serotonin dysfunction appears to be one of the biochemical factors in suicide, and stance abuse also increases the risk of suithe serotonin-system) is effective in suicide prophylaxis with lithium (which stabilizes

appear to be usually nonfatal in suicidal overdose—one of their major advantages. faxine, nefazodone, mirtazapine, bupropion) in overdose. Newer antidepressants (eg, se be lifesaving. Monoamine oxidase inhibitors kalinization of urine, and hemodialysis may uresis with sodium chloride or mannitol, alfunction. For lithium overdose, forced focuses on stabilizing cardiac and cerebral and hemodialysis are useless, and treatment often a complicating factor. Heterocyclic anmost likely to be life threatening; alcohol is sant or lithium (see also Table 307-3) is an overdose with a heterocyclic antidepres lective serotonin reuptake inhibitors, venlaless commonly prescribed now, rarely result Because of protein-binding, forced diuresis ally cardiac arrhythmia or status epilepticus. coma with atropinism; cause of death is usutidepressant overdose causes a hyperactive Of drugs prescribed for mood disorders,

Diagnosis

cluded, especially after age 40. medical or neurologic causes should be exsponse to somatic interventions. Secondary tory, and, sometimes, the unequivocal repicture (see TABLE 189—2), course, family his-

sult does not exclude a depressive disorder, not useful for screening. A negative test resensus on the diagnostic sensitivities and movement (REM) latency, are sometimes a positive result is more significant clinically. specificities of these tests, and the tests are used in academic settings. There is no conrotropin-releasing hormone (TRH) stimuladiencephalic dysfunction, such as the thyfindings in mood disorders. Tests for limbictest (DST), and sleep EEG for rapid eye tion test, the dexamethasone suppression There are no pathognomonic laboratory

remits. Conversely, in primary anxiety disand disappear when the depressive episode common in primary depressive disorders presentation (see TABLE 189-3). Excessive worrying, panic attacks, and obsessions are when anxiety symptoms are the prominent Diagnosis of depression may be difficult

Mood changes Manifestation TABLE 189-2. MANIFESTATIONS OF DEPRESSION AND MANIA

Cognitive and disturbances psychologic

Diagnosis is based on the symptomatic

Psychotic

features

orders, these symptoms usually fluctuate ir-

Depressed, irritable, or anxious Depressive Syndrome

or deny subjective mood Iears) pain, other somatic distress, or change and instead complain of (however, some patients smile Elated, irritable, or hostile Momentary tearfulness (as part of mixed state) Manic Syndrome

Crying spells (however, some pa-STODE to cry or to experience emotients complain of the inability

Poor concentration, indecisive-Lack of self-confidence, low selfesteem, self-reproach

Reduced gratification, loss of in-Recurrent thoughts of death and Negative expectations, hopelessdependency ness, helplessness, increased attachments, social withdrawal terest in usual activities, loss of

sychomotor suicide

tive dystuncand vegeta-Menstrual irregularities, amenor-Anorexia and weight loss or Anhedonia, loss of sexual desire Insomnia or hypersomnia Psychomotor retardation, fatigue Agitation weight gain

.

Delusions of ill health (nihilistic, Delusions of reference and perse-Delusions of poverty Delusions of worthlessness and Depressive auditory, visual, and somatic, or hypochondriacal) cution sinfulness

Inflated self-esteem, boasting, grandi

Racing thoughts, clang associations sounds rather than meaning), (new thoughts triggered by word distractibility

Heightened interest in new activities, some behavior), buying sprees, sex investments ual indiscretions, foolish business the patient's intrusive and meddle-(who are often alienated because of increased involvement with people

Psychomotor acceleration, eutonia (in Decreased need for sleep Possible weight loss from increased activity and inattention to proper dietary habits creased sense of physical fitness

Grandiose delusions of exceptional

Increased sexual desire

Delusions of assistance or of reference and persecution talent

Delusions of exceptional physical fitness

Fleeting auditory or visual hallucina-Delusions of wealth, aristocratic ancestry, or other grandiose identity

(rare) olfactory hallucinations

mood disorder. after age 40 most likely represent a primary oms typically does not eliminate them. regularly and remission of depressive symprominent auxiety symptoms first appearing

cause of the greater gravity of depressive pursue a chronically intermittent course. Bemood disorders are present. They usually mild symptoms common to anxiety and depression) refers to conditions in which Mixed anxiety-depression (anxious

> pression suggest bipolar II disorder. and social phobias with hypersomnic detreated for depression. Obsessions, panic, with mixed anxiety-depression should be disorders and the risk of suicide, patients

begins with affective changes (see DEMENTIA confused with early dementia, which often memory impairment and therefore may be tardation, decreased concentration, and mentia is associated with psychomotor re-In the elderly, depressive pseudode-

TABLE 189-3. PROFILES OF ANXIETY absent. Affective equivalents include antisocial acting out (especially in children and

Ea We	Insecurity Performance anxiety Sel	l uncer-	ed danger avoidance	Severe tension and 1 severe tension and 5 severe te	
Early morning awak- ening Weight loss	cidal preoccupation Self-depreciation Loss of libido	(anhedonia) Hopelessness, sui-	Perceived loss Loss of interest	rsychollowr relatuation tion Severe sadness	Depression

Reprinted from Aldskal HS: "Toward a clinical understanding of the relationship of anxiety and depressive disorders," in Comorbidity of Mood and Anxiety Disorders, edited by JP Master and CR Cloninger. Washington, DC, American Psychiatric Press, 1990, p. 597, used with permission.

in Ch. 171). In general, when the diagnosis is uncertain, treatment of depressive disorder should be tried, because of its better prognosis. Several features (see Table 189-4) can help in differential diagnosis.

The terms masked depression and affective equivalents are often used to explain prominent physical symptoms (eg, headache, fatigue, insomnia) or behavioral disturbance when mood change is minimal or

absent. Affective equivalents include antisocial acting out (especially in children and
adolescents), impulsive risk taking, gambling, chronic pain, hypochondriasis, anxiety states, and so-called psychosomatic disorders. Without core affective symptoms,
the diagnosis of a mood disorder is not appropriate unless affective episodes have occurred in the past, the condition recurs periodically, and the family history includes
mood disorders. Because diagnosis may be
difficult, therapeutic trials with antidepressants and/or mood stabilizers are often conducted.

a therapeutic trial with antidepressant or stance abuse. When the diagnosis is in doubt, onset after age 30 suggests diagnosis of a social complications may accompany subabuse, especially of alcohol (dipsomania), or stance use disorders, causing transient or or drugs in an attempt to treat sleep disturthan was once thought (see Ch. 195). mon cause of alcoholism and drug abuse is difficult. Unipolar depression is a less comprimary mood disorder with secondary subintermittent depression. Episodic substance with catastrophic effects on their illness. (eg, cocaine) to enhance excitement, usually pressed and manic patients may use alcohol dysthymia, from substance use disorders mood disorders, such as cyclothymia and Toxic effects of drugs, drug withdrawal, or bances, and manic patients may seek drugs Differentiating chronically intermittent

TABLE 189-4. DIFFERENTIATING DEPRESSIVE PSEUDODEMENTIA FROM PRIMARY (DEGENERATIVE) DEMENTIA

Clinical Features	Pseudodementia.	Primary Dementia
Onset	Acute	Insidious
Past affective episodes	Common	Uncharacteristic
Self-reproach	Common	Uncharacteristic
Diumality	Worse in morning	Worse at night
Memory deficit	Equal for recent and remote	Greater for recent than for remote
Other cognitive deficits	Circumscribed	Global
Response to cognitive testing	"Don't know"	Near miss
Reaction to mistakes	Tend to give up	::Catastrophic
Practice effects	Can be coached	Consistently poor
Response to sleep deprivation	Improvement	Worsening (?)

Modified from Aktskal HS: "Mood disturbances;" in Medical Basis of Psychiatry, ed. 2, edited by G Winokur and P Clayton. Philadelphia, WB Saunders Company, 1994; pp. 365-379; used with permission:

TABLE 189-5. DIFFERENTIATING AFFECTIVE AND SCHIZOPHRENIC PSYCHOSES

Criteria	Affective Psychosis	Schizophrenic Psychosis
Age at onset	Aity age	Rarely after age 40 yr
Premorbid traits	Anxiety-prone, dysthymic, cyclothy- mic, or hyperthymic	Schizoid or schizotypal
Onset	Usually abrupt	Usually insidious
Affect	Usually "infectious"	Rigid, blunted, or inappropriate
Thought pro- cesses	Usually intelligible; slowed down or accelerated	Typically difficult to follow (loose associations)
Delusions and hallucinations	Usually mood-congruent, but incidental schneiderian symptoms can also occur	Typically idiosyncratic, bizarre, and affecting multiple areas of the patient's life; commonly schnelderian in form
Family history	Mood disorder, alcoholism	Schizophrenia
Course	Usually remitting or periodic; personality generally preserved	Usually unremitting; social functioning often deteriorated

Updated from Akiskal HS, Puzantian VR: "Psychotic forms of depression and manta." Psychiatric Clinics of North America 2(3):419-439, 1979; used with permission.

mood-stabilizing drugs can often be defended clinically.

nosis of mood disorders. apy is indicated, because of the better proga therapeutic trial with an antidepressant, a are excluded. When the diagnosis is in doubt, notic withdrawal, psychedelic induced psymood stabilizer, or electroconvulsive therchosis, and other systemic or brain disorders course, and associated features (see TABLE not be made until such complicating factors may also produce psychotic symptoms. Di-189-6). Alcoholic hallucinosis, sedative-hypthe overall clinical picture, family history mood disorders. Diagnosis must be based on neuroleptics may cause tardive dyskinesia in cause neurotoxicity in schizophrenia, and diagnosis is important because lithium may mood-incongruent delusions or hallucinacause many schizophrenic features sis and schizophrenia or schizoaffective agnosis of a schizoaffective disorder should tions) occur in mood disorders. The correct disorder (see Ch. 193) may be difficult be-Differentiating between affective psycho-

Differentiating mood disorders from severe personality disorders (eg, borderline personality) is also difficult, especially when the mood disorder has a chronic or intermitent course—eg, dysthymia, cyclothymia, or bipolar II disorder. Past course with affective manifestations, especially when biphasic, and a family history of mood disorders supand

hospital or mood clinic—is recommended. ducted by experts in a controlled setting—a in serious suicide attempts, a trial with thy-moleptic and mood stabilizing drugs contuous, impulsive course that could culminate sial. For young patients pursuing a tempesorder variant, but this theory is controverpersonality disorder represent a mood disare related or that these tests are not helpful port a diagnosis of mood disorder. Some lab heve that at least some forms of borderline in differential diagnosis. Some experts beinterpreted to mean that the two disorders personality disorder and in those with mood TRH stimulation) in patients with borderline oratory findings (especially REM latency and disorder are similar, this similarity can

DEPRESSION

(Unipolar Disorder)

In its full syndromal expression, clinical depression manifests as major depressive disorder, with episodic course and varying degrees of residual manifestations between episodes.

Symptoms, Signs, and Diagnosis

The mood is typically depressed, irritable, and/or anxious. The patient may appear miserable, with furrowed brows, downturned corners of the mouth, slumped posture, poor

speech. The morbid mood may be accomeye contact, and monosyllabic (or absent) colorless, lifeless, and dead. For such pacommon. In some, the morbid mood is so trate, indecisiveness, diminished interest in panied by preoccupation with guilt, self-denand of a feeling that the world has become of an inability to experience usual emoof death and suicide. Sleep disorders are ness, hopelessness, and recurrent thoughts usual activities, social withdrawal, helplesssign of improvement. tients, being able to cry again is usually a deep that tears dry up; the patient complains igrating ideas, decreased ability to concenincluding grief, joy, and pleasure—

melancholic patients complain of difficulty perience pleasure. Mood and activity vary rational guilt, and loss of the capacity to exmotor slowing (of thinking and activity) or picture, characterized by marked psychopression) has a qualitatively distinct clinical disturbances in electrolyte balance. ing. Sexual desire is often diminished or lost. falling asleep, multiple arousals, and insomdiurnally, with a nadir in the morning. Most agitation (eg, restlessness, wringing of the loss may lead to emaciation and secondary Amenorrhea can occur. Anorexia and weight nia in the middle of the night or early mornhands, pressure of speech), weight loss, ir-Melancholia (formerly endogenous de-

commits suicide. Dexamethasone suppresare contaminating other persons. Very but are uncommon. Feelings of insecurity sion test results are consistently positive in sexually transmitted disease) and that they persecuted. Others think that they harbor to believe that they are being observed or and worthlessness may lead some patients demn them to death. Visual hallucinations accuse them of various misdeeds or condonable sins or crimes; hallucinatory voices have delusions of having committed unparpsychotic depressive subtype. Patients patients, the hallmark of a delusional or tations, which occur in 15% of melancholic patients with psychotic depression. "save" them from future misfortune and then kills family members—including infants—to rarely, a person with psychotic depression incurable or shameful disorders (eg, cancer, (eg, of coffins or deceased relatives) occur Some experts consider psychotic manifes-

tive features dominate the clinical presen-In atypical depression, reverse vegeta-

> tation; they include auxious phobic sympand hyperphagia with weight gain. Unlike pa versity. Atypical depressive and bipolar li hypersomnia that often extends into the day, toms, evening worsening, initial insomnia disorders overlap considerably. tially positive events but often crash into a depression show mood brightening to potenparalyzing depression with the slightest adtients with melancholia, those with atypical

ened in these patients, supporting the affect of becoming insane. REM latency is short irritable morosity, and secondary interpersonal trouble in conjugal life. In other patients, considered masked depressives. ally straightforward, but recognizing low-grade symptoms may be difficult. For exaches and pains, fears of calamity, and fears sion). Others complain of fatigue, various of apparent cheerfulness (smiling depres enced. Instead, patients complain of being depression may not be consciously expenacute or chronic hypochondriacal concerns, ample, in major depressive disorder with tive nature of the clinical presentations. physically ill and may wear a defensive mask symptoms recede and are replaced by subincomplete recovery, classic depressive The diagnosis of clinical depression is usu-

needed procedures or treatments. treated or refuse to cooperate with medically those who say that they do not deserve to be be considered in all patients, particularly toms and signs described above and should Diagnosis is based on the cluster of symp-

Treatment

gently but directly about suicidal ideation moderate to severe depression; milder de depression are treated as outpatients. Phardestruction should be taken seriously. plans, or activity. All communication of selfpression can be treated with psychotherapy.
All patients with depression must be asked (see below), is the treatment of choice for supportive therapy and psychoeducation macotherapy, delivered in the context of General principles: Most persons with

rassed and demoralized by having a mental calls may help. Because many are embarthe patient and family via a few telephone phase of treatment, keeping in touch with and to monitor progress. During the early support and education about the disorder depression weekly or biweekly to provide initially, the physician sees patients with

> assured that antidepressants are not habitturbances of depression. Patients who are concerned about "taking drugs" can be rement of depressive episodes with drugs recovery often fluctuates helps reduce demoralization and ensure compliance. Treatforming. Telling patients that the path to giving some explanation of the biologic dispression does not reflect a character flaw physician should reassure them that denosis of depression unacceptable, and the ployer (when appropriate and after obtain-ing informed consent from the patient) ration of an episode (le, 6 mo). should continue for at least the natural duprognosis. Some patients may find the diaga self-limiting medical disorder with a good should be told that most often, depression is disorder, the patient, his family, and his em-

the illness and will go away. Significant othgeared for depression; and vacations may cure; exercise is not a treatment specifically pression; religion may comfort but does not ers should be told that depression is a serious to remember that dark thoughts are part of make depression worse. job is often the result; not the cause of dewith depression are not lazy, loss of love or illness requiring specific treatment; patients blame themselves for being depressed; and tasks; to try to be with other people; not to sible, but to not take on insurmountable includes telling them to be as active as pos-Specific advice to patients often helps. It

8

ine (see Table 189-6). Antidepressants: Selective serotonin reuptake inhibitors (SSRIs) include fluoxetine, sertraline, paroxetine, and fluvoxam-

and blockade reverses the nausea. and blockade is associated with alleviation of depression. Stimulation of 5-HT₃ recepulation of 5-HT₂ receptors produces nerblockade results in more 5-HT to stimulate The following principles help in understanding how SSRIs and other new antidetors is associated with nausea and headache vousness, insomnia, and sexual dysfunction antidepressant and anxiolytic effects. Stimtion of 5-HT1 receptors is associated with many postsynaptic 5-HT receptors. Stimulauyptamine [5-HT]) system. Presynaptic 5-HT pressants affect the serotonin (5-hydroxy

tcholinergic, adrenolytic, and cardiac consynaptically, SSRIs ultimately lead to more efficient central 5-HT function. They lack an-By preventing the reuptake of 5-HT pre-

safe in overdose, have a wide therapeutic effects are sexual (eg, decreased libido, difnergic activity?): The most common adverse of treatment. Agitation may necessitate disto be sleepy during the day in the early weeks adverse effects of nausea, anxiety, insomnia, while 5-HT₁ stimulation results in antideactions on different 5-HT receptors. Thus, HT system, SSRIs are not specific in their with little need for dose adjustment (except margin, and are relatively easy to administer, Drug interactions are uncommon. SSRIs are verse effects are loose stools and headache. another class of antidepressant. Other adpatients request or need to be switched the price for relief of depression, but 1 in tients. Some patients accept these effects as ficult orgasm), occurring in up to 1/3 of paakathisia occurs (due to feeble dopamicontinuation in 3 to 4% of patients. Rarely, imal or nonexistent, but some patients tend weight and bulimic patients. Sedation is minetine; the weight loss can be useful for overin the first few months, especially with fluoxlieve and cause anxiety. Anorexia can occur tion. So, paradoxically, SSRIs can both reheadache, restlessness, and sexual dystunc- HT_3 stimulation results in the common SSRI pressant and auxiolytic effects, $6 ext{-HT}_2$ and $6 ext{-}$ duction effects. Although selective to the 5-

personality disorder. strual syndrome, and possibly borderline dysthymic disorder, atypical depression, depressants are not as effective, including disorder, social phobia, bulimia, premenseasonal depression, obsessive-compulsive lated disorders in which heterocyclic anti-SSRIs are also indicated in depression-re-

antidepressant treatment of depression by

has contributed to the wide acceptance for fluvoxamine). The success of these drugs

current use of terfenadine or astemizole. receptors. Unlike most antidepressants, necardiac arrhythmias may develop with conproduces restful sleep. However, serious lem because nefazodone also blocks 5-HT₃ sexual dysfunction, and nausea is not a prob-5-HT₂ receptor, also inhibits reuptake of 5lazodone does not suppress REM sleep and depressant and anxiolytic action without HT and norepinephrine. The result is anti-Nefazodone, which blocks primarily the

nefazodone, is a 5-HT₂ receptor blocker, but it does not inhibit 6-HT reuptake presynap-Trazodone, an antidepressant related to

who are seizure-prone			aminergic
Contraindicated in patients who have bulimia or	150-450	Bupropion	Catechol-
Causes weight gain	15-45	Mirtazapine	
current use of terfenadine or astemizale	1000	Heragonorie	
Con course continue condition and the continue c	900 - 600	Neferodone	
May cause priapism	150-600	Trazodone	5-HT ₂ antago-
			nergic
			noradre-
Modest dose-dependent increase in diastolic BP	75-375	Venlafaxine	Serotonergic-
ophylline, warfarin, and clozapine blood levels			
Can cause clinically significant elevation of the	100-300	Fluvoxamine	: •.
Withdrawal symptoms if discontinued abruptly	20-50	Paroxetine	
Of SSRIs, has highest incidence of loose stools	50-200.	Sertraline	: :
type IC antiarrhythmics than other SSRIs	: :		-: -: .
and HCAs, carbamazenine antinsychotics or			
interactions between its agreemer potential for			
Even after fluoxetine is withdrawn, because of	10-60	Fluoxetine	SSKIS
mouest abuse potential.		pronunc	-
Has amphetamine-type stimulant effects and	00-02	Tranylcy-	
Causes postural hypotension	90-80	rheheizhe	
mages, or consum rooms and polycroges	3	Dhonollain.	٠.
dring or certain foods and however.			
sis possible when taken with other antidepres-		4	
with an SSRI or nefazodone, hypertensive cri-			
Serotonergic syndrome possible when taken			MAOIs
May provoke suicidal behavior	75-225	Maprotiline	·
Can cause extrapyramidal adverse effects	150-400	Amoxapine	
kinetics			
Difficult to dose because of complex pharmaco-	15-60	Protriptyline	
day			· · · · · · · · · · · · · · · · · · ·
Lowers seizure threshold at doses of > 250 mg/	25-225	Clomipramine	
Causes weight gain	50-300	Trimipramine	
Causes weight gain	25-300	Doxepin	
Not to be used in patients < 12 yr old	50-300	Desipramine	
May cause excessive sweating and hightmares	50-300	Impramine	
Effective within therapeutic window	26-100	Nortriptyline	
Causes weight gain	. 50∸300	Amitriptyline	
drugs	:		
of alcohol; raises blood level of antipsychotics	\ \ ?		; ;
tures in the frail elderly, potentiates the effect			
hypertrophy, or esophageal histus hernia; falls	· ·		sants
disease, angle-closure glaucoma, prostatic			antidepres
As a class, contraindicuted in patients with hear			Heterocyclic
Precautions	(mg/day)	Drag	Class
	Range		
一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	Dose		

MAULS = monoamine orderse inhibitors; SSRUs = selective serotonin reuptake inhibitors; HCAs = heterocyclic antidepressants; 5-HT₁ = 5-hydroxytryptamine (serotonin)₂ = 1

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ically. It can cause priapism (in I of 1000), which has not been reported with nefazodone. Unlike nefazodone, trazodone is an appropriate with postural hypotension. It is extremely sedating, so its use in antidepressant doses (> 400 mg/day) is limited. It is most often used in small doses (50 to 100 mg at bedtime) to reverse insomnia due to SSRIs.

Mirtazapine blocks α_Z-adrenergic autoreceptors as well as 5-HT₂ and 5-HT₃ receptors. The result is more efficient servicionergic function, without sexual dysfunction and hausea. It has no adverse effects on cardiac function, has minimal interaction with drugmetabolizing liver enzymes, and is generally well, tolerated, except for sedation and weight gain mediated by H₁ (histamine) blockade.

the threshold for seizures.

cyclic antidepressants are effective in 65% reuptake in the synaptic cleft. Chronic adlia and those hospitalized with depression. the SSRIs in treating patients with melanchoavailable data are equivocal, many clinicians of clinically depressed patients. Although antidepressant activity. Like SSRIs, heteroa possible final common pathway of their receptors on the postsynaptic membrane ministration down-regulates β₁-adrenergic and, to some extent, of 5-HT by blocking increase the availability of norepinephrine tidepressants. Acutely, these drugs primarily amine metabolites nortriptyline and desiprawhile and imipramine and their secondary include tricyclic (the tertiary amines amitripdard treatment for depression before 1990, believe that these drugs have an edge over mine), modified tricyclic, and tetracyclic an-Heterocyclic antidepressants, the stan-

sion, xerostomia, tachycardia, constipation, amine tricyclic antidepressants). Sedation, and urinary hesitancy (least with secondary common adverse effects include blurred vicyclic antidepressants may cause postural arrhythmias in children. Because heteroconduction. Desipramme can induce severe cardia and quinidine-like effects on cardiac erocyclic antidepressants derive from their sclerosis, or ischemic heart disease. Other hypotension, they are contraindicated in disease. Even small doses can cause tachytherefore unsuitable for patients with heart tions. Most of these antidepressants are muscarinic-blocking and α_1 -adrenolytic ac-The more common adverse effects of hetpatients with osteoporosis, cerebral arterio-

depending on the need for sleep induction and maintenance, may or may not be considered an adverse effect, and results largely from 5-HT2 and H2 blockade. Excessive weight gain occurs in some patients. Heterocyclic antidepressants, except for amoxapine, do not appreciably block D2 (dopaminergic) receptors. Behavioral toxicity (excitement, confusion, hallucinations, or oversedation) is especially likely to occur in elderly patients with organic brain disease. All heterocyclic antidepressants, particularly maprotiline and clomipramine, lower

wk) than other antidepressants. BP monitorprofile is more benign, approximating that of SSRIs; nausea is the major problem during tle risk when given with other drugs. bound and has virtually no interaction with sion, and because it is not highly protein patients with severe or retractory deprestages over SSRIs: It seems to work better in increases in 3 to 5% of patients with doses >ing is recommended because diastolic BP faxine may occasionally work faster (in < 1 when the slow-release form is used. Veniavenlafaxine is well tolerated, especially (beginning with increments of 37.5 mg/day), the first 2 wk. When dose is increased slowly cyclic antidepressants, but its adverse effect nephrine mechanism of action, as do drug-metabolizing liver enzymes, it poses lit-225 mg/day. Vendafaxine has some advan-Venlafaxine has a dual 5-HT and norepi-Ş

0.4% of patients with doses > 450 mg/day); form, making it easier to tolerate. considerably attenuated with the slow-release common adverse effect is agitation, which is interacts little with coadministered drugs. It does not produce sexual adverse effects and the risk is increased in patients with bulimia cular system but can produce seizures Bupropion has no effects on the cardiovasdependence and those trying to stop smoking Bupropion is relatively free from cycling efdopaminergic, and noradrenergic function it favorably influences catecholaminergic, tem. By mechanisms not clearly understood, deficit hyperactivity disorder or cocaine pressed patients with concurrent attentionfects in bipolar depression. It can help de-Bupropion has no effects on the 5-HT sys-

Monoamine oxidase inhibitors (MAOIs) inhibit the oxidative deamination of the three classes of biogenic amines—norepinephrine, dopamine, and 5-HT—and

"在于是一个的特殊的,不是一种的人,我们们的人们的人们的人

in average doses) and an antidepressant with noradrenergic properties (eg. desipiramine 50 to 75 mg/day); using high doses of venlafaxine, which combines both properties; combining a sedating tricyclic antidepressant (eg. amitriptyline 75 to 100 mg at bedtime) and an MAOI (eg. phenelzine 30 to 45 mg in the morning); and combining an MAOI and a stimulant (eg. dextroamphetamine, methylphenidate). The last two strategies should be used only by a mood disorder specialist because their safety and efficacy are problematic in inexperienced hands. Pindolol, a β-adrenergic blocker, is believed to boost the action of SSRIs and nefazodone via 5-HΓ_Λ action; this experimental paradigm has not had consistently positive results.

antidepressant for 6 to 12 mo (up to 2 yr in creasingly used. Continued therapy with an relatively free of such risk and are being inpressants and electroconvulsive therapy. is ordinarily needed to prevent relapse in patients > 50 yr old) on an outpatient basis mg/day, olanzapine up to 10 mg/day) appear and discontinue it as soon as possible. Atypnortriptyline) can be given for 3 to 6 wk; if saving. For psychotic depression that is less ical antipsychotics (eg, risperidone 4 to 8 the antipsychotic in the lowest effective dose tardive dyskinesia, the physician should give doses) can be added. To reduce the risk of up to 20 mg/day po or IM in 2 or 3 divided necessary, an antipsychotic (eg, thiothixene of an emergency, maximal doses of a venlaments is usually dramatic and may be lifesion, physical debilitation, and concurrent nospitalized patients treated with antidefaxine or a heterocyclic antidepressant (eg, response to 6 to 10 electroconvulsive treattreated with electroconvulsive therapy. The tarded depression during pregnancy is best therapy. Severe suicidal, agitated, or repitalization and often electroconvulsive severe cardiovascular disease require hosation (particularly when family support is acking), stupor, agitated-deluded depres-Hospitalization: Persistent suicidal ide-

Maintenance therapy: Management of infrequent, recurrent depression is as for a single episode. However, depression recurs in 80% of patients, who must therefore receive long-term (possibly lifelong) antidepressant therapy: Dosage is often adjusted on the basis of mood level and adverse effects; however, in most patients, recurrence is best prevented by maintaining the full ther-

apeutic dosage: There is no definitive evidence that antidepressants have teratogenic effects. If a pregnant woman has severe depression requiring maintenance therapy, she may take an antidepressant, but she should be carefully monitored by an obstetrician.

Patients with a family bleton, of birolar

Patients with a family history of bipolar disorder must be observed for the development of hypomania; in such patients, maintenance therapy with lithium carbonate alone is probably equally effective. Relapses can occur even with the most rigorous maintenance therapy, and patients must be seen at least every 2 to 3 mo.

or who are unresponsive to brief therapy. sonal conflicts in many areas of functioning conjugal tensions and disharmony. Longtherapy. Couples' therapy may help diminish hance the gains made through pharmaco therapies may improve coping skills and ensume his social or occupational roles, these support and guidance, by removing cognitive controlled melancholic signs. By providing tive in milder forms of depression. When specific psychotherapies, are usually suffi for patients who have long-term interperterm psychotherapy is unnecessary except are most useful after antidepressants have used with antidepressants, these therapies therapy (individual or group) alone is effec-Brief individual psychotherapy (with an incient in enhancing pharmacologic treatment psychoeducation, formalized as depression by encouraging the patient to gradually reterpersonal focus) or cognitive-behavioral listortions that prevent adaptive action, and Psychotherapy: Supportive therapy and

DYSTHYMIC DISORDER

In dysthymic disorder, depressive symptoms typically begin insidiously in childhood or adolescence and pursue an internittent or low-grade course over many years or decades; major depressive episodes may complicate it (double depression). In pure dysthymia, depressive manifestations occur at a subthreshold level and overlap considerably with those of a depressive temperament habitually gloomy, pessinistic, humorless, or incapable of fun; passive and lethargic introverted; skeptical, hypercritical, or complaining; self-critical, self-reproaching, and self-derogatory; and preoccupied with madequacy, failure, and negative events.

no definitive evits have teratogenic SSRIs are nan has severe de arv amine t

cially desipramine, are also effective but may edly effective and free of the problematic may be worthwhile; moclobemide, a reversalone or with desipramine or bupropion is should be high and adverse effects may combe more difficult to use because the dose ary amine tricyclic antidepressants, espeweigh the risk of tardive dyskinesia from noperazine 1 mg/day is roughly equivalent ported to be effective. The antipsychotic tripamine agonist unavailable in the USA, in MAOIs. The antipsychotic amisulpride, a dodietary and drug interactions of classic ible MAOI unavailable in the USA, is reportoften effective. A trial with tranylcypromine family history of bipolar disorder, lithium promise compliance. When the patient has a dysthymia but only when its benefits outand may be used in refractory cases of severe low doses (25 to 50 mg/day) has been reong-term use. SSRIs are the treatment of choice. Second-

Vocational counseling is important because many dysthymic persons are especially adept in work that involves dedication and painstaking attention to detail. Interpersonal and cognitive-behavioral psychotherapies are being increasingly used to combat the inertia and self-defeating mental set of these patients; such therapies are best combined with pharmacotherapy.

BIPOLAR DISORDERS

Thorough evaluation of many persons with depression reveals bipolar traits, and as many as one infive patients with a depressive disorder also develops frank hypomania or mania. Most switches from unipolar to bipolar disorder occur within 5 yr of the onset of depressive manifestations. Predictors of a switch include early onset of depression frequent episodes of depression, quick bright ening of mood with somatic treatments (eg. antidepressants, phototherapy, sleep deprivation, electroconvulsive therapy), and a family history of mood disorders for three consecutive generations.

Between episodes, patients with bipolar disorder exhibit depressive moodiness and sometimes high-energy activity; disruption in developmental and social functioning is

more common than in unipolar disorder. In bipolar disorder, episodes are shorter (3 to 6 mo), age of onset is younger, onset of episodes is more abrupt, and cycles (time from onset of one episode to that of the next) are shorter than in unipolar disorder. Cyclicity is particularly accentuated in rapid-cycling forms of bipolar disorder (usually defined as > 4 enisordes (tr)

In bipolar I disorder, full-fledged manic and major depressive episodes alternate. Bipolar I disorder commonly begins with depression and is characterized by at least one manic or excited period during its course. The depressive phase can be an immediate prelude or aftermath of mania, or depression and mania can be separated by months or veges.

nia and poor appetite occur during the de-pressive phase. For some persons, hypowk). During the hypomanic period, mood brightens, the need for sleep decreases, and sodes alternate with hypomanias (relatively mood, usually at the end of a depression, do associated with high energy, confidence, and seasonally (eg, in autumn or winter); insomovereating are characteristic and may recur ing in a hypomanic state). Hypersomnia and mild, nonpsychotic periods of usually < 1 such as excesses in spending, impulsive sex Skillful questioning may reveal morbid signs, tients who experience pleasant elevation of supernormal social functioning. Many pamanic periods are adaptive because they are bed depressed and waking early in the morninduced by circadian factors (eg, going to vided by relatives. not report it unless specifically questioned he patient's usual level. Often, the switch is osychomotor activity accelerates beyond Such information is more likely to be proual escapades, and stimulant drug abuse. In bipolar II disorder, depressive epi

Patients with major depressive episodes and a family history of bipolar disorders (unofficially called bipolar III) often exhibit subtle hypomanic tendencies; their temperament is termed hyperthymic (ie, driven, ambitious, and achievement-oriented).

Symptoms and Signs

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Symptoms of the depressive phase are ur similar to those of unipolar depression (see d above), except that psychomotor retardantion, hypersonnula, and, in extreme cases, is stupor are more characteristic.

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